

SECOND AND PART
EMB

Name of the work : Widening and Comprehensive Development of
Abbigere Main Road from Renaissance woods-3 Appartments to
Abbigere Park.

BHURAT BENGALURU MAHANAGAR PALIKE									
ROAD INFRA DASARAHALLI									
Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.									
Pre-Measurement Sheet									
Second and Part									
Item No:	4	5/9/2021, 22/10/2021							
Item Name:	KSRRB M200-6.1 Cutting of trees girth from 300mm to 600mm including cutting of trunks, branches and removal of stumps, roots stacking of serviceable materials with all lifts and up to a lead of 1000m and earth filling in the depressions / pit, complete as per specifications. MORTH Specification No. 201								
	CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)	(m)	(m)		
Cutting of Trees									
Near Somanna Land									
		6						6.00	22/10/21
Total Qty Work Done								6.00	No,s
Qty Payable in this bill								6.00	No,s



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Pragathi

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BHURAT BENGALURU MAHANAGAR PALIKE									
ROAD INFRA DASARAHALLI									
Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.									
Pre-Measurement Sheet									
Second and Part									
Item No:	5	5/9/21, 22/10/21							
Item Name:	- do- KSRRB M200-2 : - do - 600mm to 900mm								
	CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)	(m)	(m)		
Cutting of Trees									
Abbigere Park Side									
		4						4.00	2/10
Total Qty Work Done								4.00	No,s
Qty Payable in this bill								4.00	No,s



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:	6	5/9/2021, 22/10/2021								
Item Name:	KSRRB M200-3: - do - 900mm to 1800mm									
	CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS	
	Land Mark		(m)	(m)	(m)	(m)	(m)			
Cutting of Trees										
Ashok Collage Near Bridge										
		4						4.00	} 22/10	
Ramamurthi Land Side										
		2						2.00		
Total Qty Work Done								6.00	No,s	
Qty Payable in this bill								6.00	No,s	



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

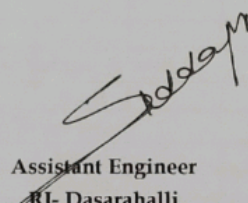
Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

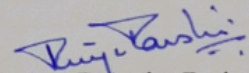
Pre-Measurement Sheet

Second and Part

Item No:	7	5/9/2021, 22/10/2021								
Item Name:	KSRRB M200-4: - do - 1800mm to 2700mm									
	CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS	
	Land Mark		(m)	(m)	(m)	(m)	(m)			
Cutting of Trees										
Ramamurthi Land Side										
		2						2.00	22/10	
								Total Qty Work Done	2.00	No,s
								Qty Payable in this bill	2.00	No,s




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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No: **8** *24/3/2022*

Item Name: KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, B. In cement mortar. MORTH Specification No. 202 KSRRB M200-14.2. -d o - Dismantling brick/Tile work B. In cement mortar including loading and unloading and disposal to a lead of 20km as per direction of Engineer In Charge

	CHAINAGE		NO's	L (m)	B1 (m)	B2 (m)	AvgB (m)	D (m)	QTY	REMARKS
	Land Mark									
For Existing Structures										
Abbigere Main Road										
Police Station Compound										
From Abbigere Main Road	0.00	15.00	1	15.00			0.30	1.20	5.40	
	15.00	18.00	1	3.00			0.30	1.20	1.08	
Ashok Collage Side Retaining wall										
	0.00	6.50	1	6.50			0.30	2.50	4.88	
Abbigere Main Road Drain										
From MCD1 to MCD2	0.00	15.00	1	15.00			0.75	0.75	8.44	
	15.00	30.00	1	15.00			0.75	0.75	8.44	
	30.00	45.00	1	15.00			0.75	0.75	8.44	
	45.00	60.00	1	15.00			0.75	0.75	8.44	
	60.00	75.00	1	15.00			0.75	0.75	8.44	
	75.00	90.00	1	15.00			0.75	0.75	8.44	
	90.00	105.00	1	15.00			0.75	0.75	8.44	
	105.00	120.00	1	15.00			0.75	0.75	8.44	
	120.00	135.00	1	15.00			0.75	0.75	8.44	
	135.00	150.00	1	15.00			0.75	0.75	8.44	
	150.00	153.00	1	3.00			0.75	0.75	1.69	
MCD2 Approach Drain										
	0.00	5.00	1	5.00			0.30	1.20	1.80	
Total Qty Work Done									99.22	Cum
Qty Payable in this bill									99.22	Cum



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:

17

24/3/2022

Item Name:

KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, rass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 in Throrny Jungle

CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		
For Road Work								
Abbigere Main Road								
Renaissance wood App to Bridge Ch:90 to Ch:335 LHS								
90.00	120.00	1	30.00		6.00		180.00	
120.00	150.00	1	30.00		6.00		180.00	
150.00	180.00	1	30.00		6.00		180.00	
180.00	210.00	1	30.00		6.00		180.00	
210.00	240.00	1	30.00		6.00		180.00	
240.00	270.00	1	30.00		6.00		180.00	
270.00	300.00	1	30.00		6.00		180.00	
300.00	330.00	1	30.00		6.00		180.00	
330.00	335.00	1	5.00		6.00		30.00	
Renaissance wood App to Bridge Ch:90 to Ch:335 RHS								
90.00	120.00	1	30.00		2.50		75.00	
120.00	150.00	1	30.00		2.50		75.00	
150.00	180.00	1	30.00		2.50		75.00	
180.00	210.00	1	30.00		2.50		75.00	
210.00	240.00	1	30.00		2.50		75.00	
240.00	270.00	1	30.00		2.50		75.00	
270.00	300.00	1	30.00		2.50		75.00	
300.00	330.00	1	30.00		2.50		75.00	
330.00	335.00	1	5.00		2.50		12.50	
Divya App to Park Cirle Ch:900 to Ch:1040 LHS								
900.00	930.00	1	30.00		3.00		90.00	
930.00	960.00	1	30.00		3.00		90.00	
960.00	990.00	1	30.00		3.00		90.00	
990.00	1020.00	1	30.00		3.00		90.00	
1020.00	1041.00	1	21.00		3.00		63.00	
Divya App to Police Station Ch:980 to Ch:1212 RHS								
980.00	1010.00	1	30.00		4.50		135.00	
1010.00	1040.00	1	30.00		4.50		135.00	
1040.00	1070.00	1	30.00		4.50		135.00	
1070.00	1100.00	1	30.00		4.50		135.00	
1100.00	1130.00	1	30.00		4.50		135.00	
1130.00	1160.00	1	30.00		4.50		135.00	



CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
1160.00	1190.00	1	30.00			4.50		135.00	
1190.00	1212.00	1	22.00			4.50		99.00	
Total Qty Work Done								3549.50	Sqm
Qty Payable in this bill								3549.50	Sqm



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No: **19** 12/4/2022

Item Name: Excavation for roadwork in all types of soil by mechanical means including cutting and loading to < tipper, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
For Road Work										
Abbigere Industrial Cross Roads										
1st Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.50	5.30	5.40	0.40	64.80	
	30.00	60.00	1	30.00	5.30	5.00	5.15	0.40	61.80	
	60.00	90.00	1	30.00	5.00	4.90	4.95	0.40	59.40	
	90.00	120.00	1	30.00	4.90	4.60	4.75	0.40	57.00	
	120.00	150.00	1	30.00	4.60	5.40	5.00	0.40	60.00	
	150.00	176.00	1	26.00	5.40	6.00	5.70	0.40	59.28	
2nd Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.30	4.30	0.40	51.60	
	30.00	60.00	1	30.00	4.30	4.30	4.30	0.40	51.60	
	60.00	90.00	1	30.00	4.30	4.10	4.20	0.40	50.40	
	90.00	120.00	1	30.00	4.10	4.25	4.18	0.40	50.10	
	120.00	150.00	1	30.00	4.25	4.80	4.53	0.40	54.30	
	150.00	180.00	1	30.00	4.80	4.25	4.53	0.40	54.30	
	180.00	183.40	1	3.40	4.25	4.30	4.28	0.40	5.81	
3rd Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	4.10	4.30	0.40	51.60	
	30.00	60.00	1	30.00	4.10	5.00	4.55	0.40	54.60	
	60.00	90.00	1	30.00	5.00	3.80	4.40	0.40	52.80	
	90.00	120.00	1	30.00	3.80	4.00	3.90	0.40	46.80	
	120.00	150.00	1	30.00	4.00	4.80	4.40	0.40	52.80	
	150.00	180.00	1	30.00	4.80	4.20	4.50	0.40	54.00	
	180.00	207.00	1	27.00	4.20	4.30	4.25	0.40	45.90	
4th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.70	4.50	0.40	54.00	
	30.00	60.00	1	30.00	4.70	4.40	4.55	0.40	54.60	
	60.00	90.00	1	30.00	4.40	4.10	4.25	0.40	51.00	
	90.00	120.00	1	30.00	4.10	3.90	4.00	0.40	48.00	
	120.00	150.00	1	30.00	3.90	3.80	3.85	0.40	46.20	
	150.00	180.00	1	30.00	3.80	4.00	3.90	0.40	46.80	
	180.00	210.00	1	30.00	4.00	4.15	4.08	0.40	48.90	
	210.00	217.00	1	7.00	4.15	3.70	3.93	0.40	10.99	
5th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	3.90	3.60	3.75	0.40	45.00	
	30.00	60.00	1	30.00	3.60	3.80	3.70	0.40	44.40	
	60.00	90.00	1	30.00	3.80	4.40	4.10	0.40	49.20	
	90.00	120.00	1	30.00	4.40	4.10	4.25	0.40	51.00	
	120.00	150.00	1	30.00	4.10	4.80	4.45	0.40	53.40	
	150.00	180.00	1	30.00	4.80	4.40	4.60	0.40	55.20	



CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
180.00	203.00	1	23.00	4.40	4.40	4.40	0.40	40.48	
For Drain									
Collage Front Drain									
0.00	14.60	1	14.60			1.80	2.20	57.82	
Total Qty Work Done								1795.88	Cum
Qty Payable in this bill								1795.88	Cum



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:	20	24/9/2022						
Item Name:	Earth work in excavation retaining walls etc. as per drawing and technical specification including setting out, Construction and technical specification, including bottom, back filling with approved material and bracing, dressing of sides and per specifications, including material, disposal of balance earth as using cost of labour, HOM etc., complete.							
	CHAINAGE	NO's	L	B	D	QTY	REMARKS	
	Land Mark		(m)	(m)	(m)			
For Culvert								
Vishveshwarya Layout								
1st Cross 5th Cross								
	0.00	8.25	1	8.25	1.20	1.20	11.88	
Police Station Front								
	0.00	22.00	1	22.00	1.50	1.20	39.60	
SWD Side Culvert								
	0.00	14.40	1	14.40	1.80	1.20	31.10	
For Compound								
Police Station Front								
	0.00	18.00	1	18.00	0.90	1.40	22.68	
Earth work for Chain Link Fencing								
Police Station Front Park		1	10.80	0.75	0.90	7.29		
		1	11.00	0.75	0.90	7.93		
		1	38.50	0.75	0.90	25.99		
		1	21.30	0.75	0.90	14.38		
Abbigere Park		1	135.90	0.75	0.90	91.73		
Vishveshwarya Park		1	41.10	0.75	0.90	27.74		
For Retaining Wall								
Collage Front		1	7.50	2.00	2.50	37.50		
Total Qty Work Done							317.32	Cum
Qty Payable in this bill							317.32	Cum



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BHURAT BENGALURU MAHANAGAR PALIKE**ROAD INFRA DASARAHALLI**

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet**Second and Part**

Item No: 21 12/4/2022

Item Name: Disposable of excavated un servicable road way earth with all lead of 19 km as per the direction of Engineer in charge (SR-2018-19 Page No-136 Item No-17.4)

CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
		(m)	(m)	(m)	(m)	(m)		
Land Mark								
For Road Work								
Qty Vide First and Part Bill Item No 19							13376.25	12/4/22
Qty Vide First and Part Bill Item No 19							1795.88	
Total Qty Work Done							15172.13	Cum
Qty Payable in this bill							15172.13	Cum



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Apartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:	25	28/2/2022					
Item Name:	Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456						
	CHAINAGE	NO's	L	B	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
For Drain							
Collage Front Drain							
	0.00	14.60	1	14.60	1.80	0.15	3.94
For Culvert							
Vishveshwarya Layout							
1st Cross 5th Cross							
	0.00	8.25	1	8.25	1.20	0.15	1.49
Police Station Front							
	0.00	22.00	1	22.00	1.50	0.15	4.95
SWD Side Culvert							
	0.00	14.40	1	14.40	1.70	0.15	3.67
For Compound							
Vishveshwarya Layout							
Police Station Front							
	0.00	18.00	1	18.00	0.90	0.15	2.43
Earth work for Chain Link Fencing							
Police Station Front Park			1	10.80	0.75	0.15	1.22
			1	11.00	0.75	0.15	1.24
			1	38.50	0.75	0.15	4.33
			1	21.30	0.75	0.15	2.40
Abbigere Park			1	135.90	0.75	0.15	15.29
Vishveshwarya Park			1	41.10	0.75	0.15	4.62
For Retaining Wall							
Collage Front			1	7.50	2.00	0.15	2.25
Total Qty Work Done						47.82	Cum
Qty Payable in this bill						47.82	Cum



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigerre Main Road from Renaissance woods-3 Appartments to Abbigerre Park.

Pre-Measurement Sheet

Second and Part

Item No: **26** 13/5/2022, 16/5/2022, 17/5/2022

Item Name: Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregates @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. b) upto 5 m height

and centering complete as per specifications. 17/11/2022								
	CHAINAGE		NO's	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
For Culvert Raft								
Vishveshwarya Layout								
1st Cross 5th Cross								
	0.00	8.25	1	8.25	1.20	0.15	1.49	✓
Police Station Front								
	0.00	22.00	1	22.00	1.50	0.15	4.95	✓
SWD Side Culvert								
	0.00	14.40	1	14.40	1.70	0.15	3.67	✓
For Retaining Wall								
Collage Front			1	7.50	2.00	0.25	3.75	✓
For Culvert Wall								
Vishveshwarya Layout								
1st Cross 5th Cross								
	0.00	8.25	2	8.25	0.15	0.85	2.10	✓
Police Station Front								
	0.00	22.00	2	22.00	0.15	0.90	5.94	✓
SWD Side Culvert								
	0.00	14.40	2	14.40	0.15	0.85	3.67	✓
For Retaining Wall								
Collage Front			1	7.50	0.30	3.00	6.75	✓
For Culvert DECK Slab								
Vishveshwarya Layout								
1st Cross 5th Cross								
	0.00	8.25	1	8.25	1.05	0.30	2.60	✓
Police Station Front								
	0.00	22.00	1	22.00	1.00	0.30	6.60	✓



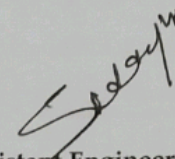
17/5/2022

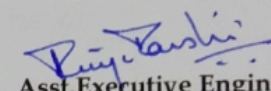
ಮಾನ್ಯತೆ ಕಲ್ಪಿಸುವ ಮೂಲಕ ಅಧೀನರಹಿತರು
ವಿವರಣೆ ನೀಡಲಾಗಿದೆ, (ದಾಖಲೆಗೆ ವಿಧಾನ)
ಬಿ.ಬಿ. ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಿ.ಬಿ.ಬಿ. - 02.

17/5/22

CHAINAGE		NO's	L	B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)		
SWD Side Culvert							
0.00	14.40	1	14.40	1.70	0.30	7.34	} 13/5/22
For Culvert Parapet wall							
SWD Side Culvert							
0.00	1.70	2	1.70	0.30	0.70	0.71	
Total Qty Work Done						49.58	Cum
Qty Payable in this bill						49.58	Cum




 Assistant Engineer
 RI- Dasarahalli
 BBMP-Bengaluru


 Asst. Executive Engineer
 RI- Dasarahalli Division
 BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Apartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:	27	13/5/2022									
Item Name:	Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregates @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. b) upto 5 m height										
	CHAINAGE	NO's	L	B	D	QTY	REMARKS				
	Land Mark		(m)	(m)	(m)						
For Drain Raft											
Collage Front Drain											
	0.00	14.60	1	14.60	1.80	0.15	3.94	} 13/5/22			
For Drain Wall											
Collage Front Drain											
	0.00	14.60	2	14.60	0.15	1.20	5.26				
Total Qty Work Done							9.20	Cum			
Qty Payable in this bill							9.20	Cum			



[Signature]
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

[Signature]
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:	28	17/5/2022 , 13/5/2022								
Item Name:	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.									
Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standar d Weight per Meter in kgs	Weight of Steel in kgs	Remarks
For Drain										
Collage Front Drain										
1	8	2	150mm/CC	17	14.60	506.1	Distribution	0.39	197	
2	10	2	125mm/CC	117	2.6	607.4	Main Bar	0.62	377	
FOR CULVERT										
Vishveshwarya Layout										
1st Cross 5th Cross										
1	10	2	125mm/CC	33	8.25	541.2	Distribution	0.62	336	
2	12	2	100mm/CC	83	4.1	676.5	Main Bar	0.89	602	
Police Station Front										
1	10	2	125mm/CC	35	22.00	1548.8	Distribution	0.62	960	
2	12	2	100mm/CC	220	4.4	1936.0	Main Bar	0.89	1723	
SWD Side Culvert										
1	10	2	125mm/CC	35	14.40	1013.8	Distribution	0.62	629	
2	12	2	100mm/CC	144	4.4	1267.2	Main Bar	0.89	1128	
For Retaining Wall										
Raft										
1	10	2	125mm/CC	16	7.50	240.0	Distribution	0.62	149	
2	12	2	100mm/CC	75	2.0	300.0	Main Bar	0.89	267	
Wall										
1	12	2	125mm/CC	24	7.50	360.0	Distribution	0.89	320	
2	16	2	100mm/CC	75	3.0	450.0	Main Bar	1.58	711	
FOR DECK SLAB										
Vishveshwarya Layout										
1st Cross 5th Cross										
1	10	2	125mm/CC	18	8.25	290.4	Distribution	0.62	180	
2	12	1	100mm/CC	83	2.2	181.5	Main Bar	0.89	162	
Top rod										



3	16	1	100mm/CC	83	1.9	156.8	Main Bar	1.58	248	
Police Station Front										
1	10	2	125mm/CC	22	22.00	950.4	Distribution	0.62	589	
2	12	1	100mm/CC	220	2.7	594.0	Main Bar	0.89	529	
Top rod										
3	16	1	100mm/CC	220	2.5	550.0	Main Bar	1.58	869	
Total Quantity of Steel in Kg's									9974.6	kgs
Total Quantity of Steel in Tonne's									9.97	Tonnes
Releasing Reserved Qty (From First and Part)									0.79	
Qty Payable in this bill :-									10.76	Tonnes



Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE**ROAD INFRA DASARAHALLI**

Name of the work : Widening and Comprehensive Development of Abbigere
Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:

29

17/5/2022

Item Name:

KSRRB M2200-8. Providing weep holes in Brick masonry wrapping / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe wrapping with Geotextile to prevent the earth, extending through the full width of the structure with slope of 1V :20H towards drawing force. Complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per Specifications. MORTH Specification No.2706 & 2200 (SR-2018-19 Page No-229 Item No-28.10)

ZZ00 (SR-2016-17) Page No. 227 (Rev. No. 2016-17)								
	CHAINAGE		NO's	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
WeepHoles								
Bridge		4	X	6			24	17/5
Retaining wall		2	X	8			16	
Collage Front Drain		2	X	16			32	
Total Qty Work Done							72.00	No,s
Qty Payable in this bill							72.00	No,s



Siddhant
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Rajesh
Asst.Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

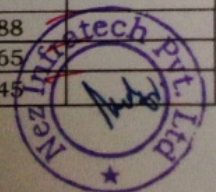
Pre-Measurement Sheet

Second and Part

Item No: 35 24/4/2022

Item Name: Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
For Road Work										
Abbigere Industrial Cross Roads										
1st Cross Road										
From Abbigere	0.00	30.00	1	30.00	5.50	5.30	5.40	0.15	24.30	
Industrial Main	30.00	60.00	1	30.00	5.30	5.00	5.15	0.15	23.18	
Road	60.00	90.00	1	30.00	5.00	4.90	4.95	0.15	22.28	
	90.00	120.00	1	30.00	4.90	4.60	4.75	0.15	21.38	
	120.00	150.00	1	30.00	4.60	5.40	5.00	0.15	22.50	
	150.00	176.00	1	26.00	5.40	6.00	5.70	0.15	22.23	
2nd Cross Road										
From Abbigere	0.00	30.00	1	30.00	4.30	4.30	4.30	0.15	19.35	
Industrial Main	30.00	60.00	1	30.00	4.30	4.30	4.30	0.15	19.35	
Road	60.00	90.00	1	30.00	4.30	4.10	4.20	0.15	18.90	
	90.00	120.00	1	30.00	4.10	4.25	4.18	0.15	18.79	
	120.00	150.00	1	30.00	4.25	4.80	4.53	0.15	20.36	
	150.00	180.00	1	30.00	4.80	4.25	4.53	0.15	20.36	
	180.00	183.40	1	3.40	4.25	4.30	4.28	0.15	2.18	
3rd Cross Road										
From Abbigere	0.00	30.00	1	30.00	4.50	4.10	4.30	0.15	19.35	
Industrial Main	30.00	60.00	1	30.00	4.10	5.00	4.55	0.15	20.48	
Road	60.00	90.00	1	30.00	5.00	3.80	4.40	0.15	19.80	
	90.00	120.00	1	30.00	3.80	4.00	3.90	0.15	17.55	
	120.00	150.00	1	30.00	4.00	4.80	4.40	0.15	19.80	
	150.00	180.00	1	30.00	4.80	4.20	4.50	0.15	20.25	
	180.00	207.00	1	27.00	4.20	4.30	4.25	0.15	17.21	
4th Cross Road										
From Abbigere	0.00	30.00	1	30.00	4.30	4.70	4.50	0.15	20.25	
Industrial Main	30.00	60.00	1	30.00	4.70	4.40	4.55	0.15	20.48	
Road	60.00	90.00	1	30.00	4.40	4.10	4.25	0.15	19.13	
	90.00	120.00	1	30.00	4.10	3.90	4.00	0.15	18.00	
	120.00	150.00	1	30.00	3.90	3.80	3.85	0.15	17.33	
	150.00	180.00	1	30.00	3.80	4.00	3.90	0.15	17.55	
	180.00	210.00	1	30.00	4.00	4.15	4.08	0.15	18.34	
	210.00	217.00	1	7.00	4.15	3.70	3.93	0.15	4.12	
5th Cross Road										
From Abbigere	0.00	30.00	1	30.00	3.90	3.60	3.75	0.15	16.88	
Industrial Main	30.00	60.00	1	30.00	3.60	3.80	3.70	0.15	16.65	
Road	60.00	90.00	1	30.00	3.80	4.40	4.10	0.15	18.45	



CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
90.00	120.00	1	30.00	4.40	4.10	4.25	0.15	19.13	24/4/22
120.00	150.00	1	30.00	4.10	4.80	4.45	0.15	20.03	
150.00	180.00	1	30.00	4.80	4.40	4.60	0.15	20.70	
180.00	203.00	1	23.00	4.40	4.40	4.40	0.15	15.18	
Total Qty								651.77	Cum
Releasing Reserved Qty (From First and Part)								404.97	
Total Qty Work Done :-								1056.74	
Qty Payable in this bill :-								1053.92	Cum

2.82 savings



PMC

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Apartments to Abbigere Park.
Pre-Measurement Sheet

Second and Part

Item No: 36 27/4/2022

Item Name: Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification

CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		

For Road Work

Abbigere Industrial Cross Roads

1st Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.50	5.30	5.40	0.25	40.90	40.50
	30.00	60.00	1	30.00	5.30	5.00	5.15	0.25	38.62	38.62
	60.00	90.00	1	30.00	5.00	4.90	4.95	0.25	37.12	37.12
	90.00	120.00	1	30.00	4.90	4.60	4.75	0.25	35.62	35.62
	120.00	150.00	1	30.00	4.60	5.40	5.00	0.25	37.95	37.95
	150.00	176.00	1	26.00	5.40	6.00	5.70	0.25	37.49	37.05

2nd Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.30	4.30	0.25	32.64	32.25
	30.00	60.00	1	30.00	4.30	4.30	4.30	0.25	32.64	32.25
	60.00	90.00	1	30.00	4.30	4.10	4.20	0.25	31.88	31.50
	90.00	120.00	1	30.00	4.10	4.25	4.18	0.25	31.69	31.35
	120.00	150.00	1	30.00	4.25	4.80	4.53	0.25	34.34	33.97
	150.00	180.00	1	30.00	4.80	4.25	4.53	0.25	34.34	33.97
	180.00	183.40	1	3.40	4.25	4.30	4.28	0.25	3.68	3.63

3rd Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	4.10	4.30	0.25	32.64	32.25
	30.00	60.00	1	30.00	4.10	5.00	4.55	0.25	34.53	33.75
	60.00	90.00	1	30.00	5.00	3.80	4.40	0.25	33.40	33.00
	90.00	120.00	1	30.00	3.80	4.00	3.90	0.25	29.60	29.25
	120.00	150.00	1	30.00	4.00	4.80	4.40	0.25	33.80	33.40
	150.00	180.00	1	30.00	4.80	4.20	4.50	0.25	34.16	33.75
	180.00	207.00	1	27.00	4.20	4.30	4.25	0.25	29.03	28.69

4th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.70	4.50	0.25	34.16	33.75
	30.00	60.00	1	30.00	4.70	4.40	4.55	0.25	34.53	34.12
	60.00	90.00	1	30.00	4.40	4.10	4.25	0.25	32.26	31.87
	90.00	120.00	1	30.00	4.10	3.90	4.00	0.25	30.00	29.60
	120.00	150.00	1	30.00	3.90	3.80	3.85	0.25	29.22	28.87
	150.00	180.00	1	30.00	3.80	4.00	3.90	0.25	29.60	29.25
	180.00	210.00	1	30.00	4.00	4.15	4.08	0.25	30.93	30.60
	210.00	217.00	1	7.00	4.15	3.70	3.93	0.25	6.95	6.87

5th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	3.90	3.60	3.75	0.25	28.46	28.12
	30.00	60.00	1	30.00	3.60	3.80	3.70	0.25	28.08	27.75
	60.00	90.00	1	30.00	3.80	4.40	4.10	0.25	30.75	30.40



CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
90.00	120.00	1	30.00	4.40	4.10	4.25	0.25	32.26	318.7 33.37 2048.46 2030.72
120.00	150.00	1	30.00	4.10	4.80	4.45	0.25	33.78	
150.00	180.00	1	30.00	4.80	4.40	4.60	0.25	34.90	
180.00	203.00	1	23.00	4.40	4.40	4.40	0.25	25.80	
								1099.33	
Total Qty								1099.33	Cum
Releasing Reserved Qty (From First and Part)								949.13	
Total Qty Work Done :-								2048.46	1972.13
Qty Payable in this bill :-								2030.72	Cum

Executive Engineer

Roads Infrastructure, Dasarahalli Division
Bruhat Bengaluru Mahanagara Palike
Bengaluru- 02.



PMC

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

1972.13 +

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:	37	10/5/2022					
Item Name:	Providing and constructing granite I trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications.						
	CHAINAGE	NO's	L	AvgB	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
For Compound							
Police Station Front							
	0.00	18.00	1	18.00	0.60	1.20	12.96
SSM for Chain Link Fencing							
Abbigere Park		1	135.90	0.50	0.80	54.36	10/5/22
Vishveshwarya Park		1	41.10	0.50	0.80	16.44	
Total Qty Work Done:-							83.76 Cum
Releasing Reserved Qty (From First and Part)							27.55
Qty Payable in this bill :-							111.31 Cum



Siddhant
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Rajesh
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE**ROAD INFRA DASARAHALLI**

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:

38

10/5/2022

Item Name:

Providing and constructing granite I trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications.

CHAINAGE

NO's

L

AvgB

D

QTY

REMARKS

Land Mark

(m)

(m)

(m)

Releasing Reserved Qty (From First and Part)

102.03

Qty Payable in this bill :-

102.03

Sqm



PMC

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

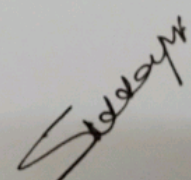
Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

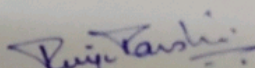
Pre-Measurement Sheet

Second and Part

Item No:	39	10/5/2022						
Item Name:	Providing flush pointing to Square rubble, course or uncoursed stone masonry with cement mortor 20mm deep after raking joints to the depth 20mm nicely lining including cost of materials labour HOM curing complete as per specification in cement mortor 1:3							
	CHAINAGE	NO's	L	AvgB	D	QTY	REMARKS	
	Land Mark		(m)	(m)	(m)			
For Compound								
Police Station Front								
	0.00	18.00	1	18.00	0.80	14.40	} Rd 10/5/22	
SSM for Chain Link Fencing								
Abbigere Park			1	135.90	0.60	81.54		
Vishveshwarya Park			1	41.10	0.60	24.66		
Total Qty Work Done						120.60	Sqm	
Qty Payable in this bill						120.60	Sqm	




 Assistant Engineer
 RI- Dasarahalli
 BBMP-Bengaluru


 Asst. Executive Engineer
 RI- Dasarahalli Division
 BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:	40	08/5/2022					
Item Name:	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m ³ having a minimum average compressive strength of 4.00 N/mm ² confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 with solid concrete blocks of size 400x150x200mm (SR-2018-19 Page No-27 Item No-5.26.2)						
	CHAINAGE	NO's	L	AvgB	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
Solid Blocks for Compound							
Police Station Front		1	18.00	✓	0.60	10.80	} 08/5/22
Columns		7	1.50	✓	0.60	6.30	
Total Qty Work Done						17.10	Cum
Qty Payable in this bill						17.10	Cum



PMC

Siddhant
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Rajesh
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE**ROAD INFRA DASARAHALLI**

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:

41

10/5/2022

Item Name:

KSRB - 15-3.9: Providing 20mm thick cement plaster in single coat with cement mortar ,1:4 to stone masonry & concrete surface including rounding off corners wherever required smooth rendering.; Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. in cement mortar 1:3 (SR-2018-19 Page No-116 Item No-15.19)

CHAINAGE

NO's

L

AvgB

D

QTY

REMARKS

Land Mark

(m)

(m)

(m)

Solid Blocks for Compound

Police Station Front

2

18.00

0.60

21.60

Columns

14

1.50

0.60

12.60

Total Qty Work Done

34.20

Cum

Qty Payable in this bill

34.20

Cum



PMC

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:	42	25/2/2022 , 6/5/2022					
Item Name:	KSRB 2.3: Filling available Excavated Earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by raming after watering with lead upto 50m and lift upto 1.50m including cost of all labour complete as per specfications.Specification No.KBS 2.9 (SR-2018-19 Page No-7 Item No-2.1)						
	CHAINAGE	NO's	L	AvgB	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
Earth Filling	Cum						
For UGD Np3 Pipe							
		1	280.00	0.90	1.80	453.60	3/2 6/5/22
Total Qty Work Done						453.60	Cum
Qty Payable in this bill						453.60	Cum



PMC

S. S. S. S.
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Rajeshwar
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE
ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No: 44 18/4/2022

Item Name: KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occurring during rolling including cost of all labour, HOM complete as per specifications. (SR-2018-19 Page No-147 Item No-19.64)

CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		
For Road Work								
Abbigere Industrial Cross Roads								
1st Cross Road								
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.50	5.30	5.40	162.00
	30.00	60.00	1	30.00	5.30	5.00	5.15	154.50
	60.00	90.00	1	30.00	5.00	4.90	4.95	148.50
	90.00	120.00	1	30.00	4.90	4.60	4.75	142.50
	120.00	150.00	1	30.00	4.60	5.40	5.00	150.00
	150.00	176.00	1	26.00	5.40	6.00	5.70	148.20
2nd Cross Road								
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.30	4.30	129.00
	30.00	60.00	1	30.00	4.30	4.30	4.30	129.00
	60.00	90.00	1	30.00	4.30	4.10	4.20	126.00
	90.00	120.00	1	30.00	4.10	4.25	4.18	125.25
	120.00	150.00	1	30.00	4.25	4.80	4.53	135.75
	150.00	180.00	1	30.00	4.80	4.25	4.53	135.75
	180.00	183.40	1	3.40	4.25	4.30	4.28	14.54
3rd Cross Road								
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	4.10	4.30	129.00
	30.00	60.00	1	30.00	4.10	5.00	4.55	136.50
	60.00	90.00	1	30.00	5.00	3.80	4.40	132.00
	90.00	120.00	1	30.00	3.80	4.00	3.90	117.00
	120.00	150.00	1	30.00	4.00	4.80	4.40	132.00
	150.00	180.00	1	30.00	4.80	4.20	4.50	135.00
	180.00	207.00	1	27.00	4.20	4.30	4.25	114.75
4th Cross Road								
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.70	4.50	135.00
	30.00	60.00	1	30.00	4.70	4.40	4.55	136.50
	60.00	90.00	1	30.00	4.40	4.10	4.25	127.50
	90.00	120.00	1	30.00	4.10	3.90	4.00	120.00
	120.00	150.00	1	30.00	3.90	3.80	3.85	115.50
	150.00	180.00	1	30.00	3.80	4.00	3.90	117.00
	180.00	210.00	1	30.00	4.00	4.15	4.08	122.25
	210.00	217.00	1	7.00	4.15	3.70	3.93	27.48
5th Cross Road								
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	3.90	3.60	3.75	112.50
	30.00	60.00	1	30.00	3.60	3.80	3.70	111.00
	60.00	90.00	1	30.00	3.80	4.40	4.10	123.00
	90.00	120.00	1	30.00	4.40	4.10	4.25	127.50
	120.00	150.00	1	30.00	4.10	4.80	4.45	133.50
	150.00	180.00	1	30.00	4.80	4.40	4.60	138.00



CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
180.00	203.00	1	23.00	4.40	4.40	4.40		101.20	
Total Qty Work Done								4345.16	Sqm
Qty Payable in this bill								4345.16	Sqm



PMC

Siddaiah
 Assistant Engineer
 RI- Dasarahalli
 BBMP-Bengaluru

Rajesh Kumar
 Asst. Executive Engineer
 RI- Dasarahalli Division
 BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

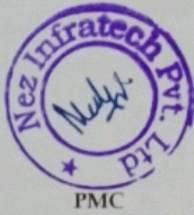
Item No: 57 29/4/2022

Item Name: Providing and applying primer coat with S.S. Sqm bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
For Road Work										
Abbigere Industrial Cross Roads										
1st Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.50	5.30	5.40		162.00	
	30.00	60.00	1	30.00	5.30	5.00	5.15		154.50	
	60.00	90.00	1	30.00	5.00	4.90	4.95		148.50	
	90.00	120.00	1	30.00	4.90	4.60	4.75		142.50	
	120.00	150.00	1	30.00	4.60	5.40	5.00		150.00	
	150.00	176.00	1	26.00	5.40	6.00	5.70		148.20	
2nd Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.30	4.30		129.00	
	30.00	60.00	1	30.00	4.30	4.30	4.30		129.00	
	60.00	90.00	1	30.00	4.30	4.10	4.20		126.00	
	90.00	120.00	1	30.00	4.10	4.25	4.18		125.25	
	120.00	150.00	1	30.00	4.25	4.80	4.53		135.75	
	150.00	180.00	1	30.00	4.80	4.25	4.53		135.75	
	180.00	183.40	1	3.40	4.25	4.30	4.28		14.54	
3rd Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	4.10	4.30		129.00	
	30.00	60.00	1	30.00	4.10	5.00	4.55		136.50	
	60.00	90.00	1	30.00	5.00	3.80	4.40		132.00	
	90.00	120.00	1	30.00	3.80	4.00	3.90		117.00	
	120.00	150.00	1	30.00	4.00	4.80	4.40		132.00	
	150.00	180.00	1	30.00	4.80	4.20	4.50		135.00	
	180.00	207.00	1	27.00	4.20	4.30	4.25		114.75	
4th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.70	4.50		135.00	
	30.00	60.00	1	30.00	4.70	4.40	4.55		136.50	
	60.00	90.00	1	30.00	4.40	4.10	4.25		127.50	
	90.00	120.00	1	30.00	4.10	3.90	4.00		120.00	
	120.00	150.00	1	30.00	3.90	3.80	3.85		115.50	
	150.00	180.00	1	30.00	3.80	4.00	3.90		117.00	
	180.00	210.00	1	30.00	4.00	4.15	4.08		122.25	
	210.00	217.00	1	7.00	4.15	3.70	3.93		27.48	
5th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	3.90	3.60	3.75		112.50	
	30.00	60.00	1	30.00	3.60	3.80	3.70		111.00	
	60.00	90.00	1	30.00	3.80	4.40	4.10		123.00	
	90.00	120.00	1	30.00	4.40	4.10	4.25		127.50	
	120.00	150.00	1	30.00	4.10	4.80	4.45		133.50	
	150.00	180.00	1	30.00	4.80	4.40	4.60		138.00	



	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	180.00	203.00	1	23.00	4.40	4.40	4.40		101.20	
Total Qty Work Done									4345.16	Sqm
Qty Payable in this bill									4345.16	Sqm



PMC

Siddhant
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Rajesh
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No: 58 28/4/2022

Item Name: Cleaning the existing WBM road surface including Sqm removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air, to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications.

CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		

For Road Work

Abbigere Industrial Cross Roads

1st Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.50	5.30	5.40	162.00	
	30.00	60.00	1	30.00	5.30	5.00	5.15	154.50	
	60.00	90.00	1	30.00	5.00	4.90	4.95	148.50	
	90.00	120.00	1	30.00	4.90	4.60	4.75	142.50	
	120.00	150.00	1	30.00	4.60	5.40	5.00	150.00	
	150.00	176.00	1	26.00	5.40	6.00	5.70	148.20	

2nd Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.30	4.30	129.00	
	30.00	60.00	1	30.00	4.30	4.30	4.30	129.00	
	60.00	90.00	1	30.00	4.30	4.10	4.20	126.00	
	90.00	120.00	1	30.00	4.10	4.25	4.18	125.25	
	120.00	150.00	1	30.00	4.25	4.80	4.53	135.75	
	150.00	180.00	1	30.00	4.80	4.25	4.53	135.75	
	180.00	183.40	1	3.40	4.25	4.30	4.28	14.54	

3rd Cross Road

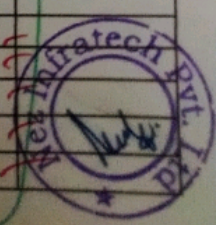
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	4.10	4.30	129.00	
	30.00	60.00	1	30.00	4.10	5.00	4.55	136.50	
	60.00	90.00	1	30.00	5.00	3.80	4.40	132.00	
	90.00	120.00	1	30.00	3.80	4.00	3.90	117.00	
	120.00	150.00	1	30.00	4.00	4.80	4.40	132.00	
	150.00	180.00	1	30.00	4.80	4.20	4.50	135.00	
	180.00	207.00	1	27.00	4.20	4.30	4.25	114.75	

4th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.70	4.50	135.00	
	30.00	60.00	1	30.00	4.70	4.40	4.55	136.50	
	60.00	90.00	1	30.00	4.40	4.10	4.25	127.50	
	90.00	120.00	1	30.00	4.10	3.90	4.00	120.00	
	120.00	150.00	1	30.00	3.90	3.80	3.85	115.50	
	150.00	180.00	1	30.00	3.80	4.00	3.90	117.00	
	180.00	210.00	1	30.00	4.00	4.15	4.08	122.25	
	210.00	217.00	1	7.00	4.15	3.70	3.93	27.48	

5th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	3.90	3.60	3.75	112.50	
	30.00	60.00	1	30.00	3.60	3.80	3.70	111.00	
	60.00	90.00	1	30.00	3.80	4.40	4.10	123.00	
	90.00	120.00	1	30.00	4.40	4.10	4.25	127.50	
	120.00	150.00	1	30.00	4.10	4.80	4.45	133.50	



CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
150.00	180.00	1	30.00	4.80	4.40	4.60		138.00	✓ 28/14
180.00	203.00	1	23.00	4.40	4.40	4.40		101.20	
Total Qty Work Done								4345.16	Sqm
Qty Payable in this bill								4345.16	Sqm



Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:

59

29/4/2022

Item Name:

Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.

CHAINAGE	NO's	L (m)	B1 (m)	B2 (m)	AvgB (m)	D (m)	QTY	REMARKS
Land Mark								

For Road Work

Abbigere Industrial Cross Roads

1st Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.50	5.30	5.40	0.05	8.10	
	30.00	60.00	1	30.00	5.30	5.00	5.15	0.05	7.73	
	60.00	90.00	1	30.00	5.00	4.90	4.95	0.05	7.43	
	90.00	120.00	1	30.00	4.90	4.60	4.75	0.05	7.13	
	120.00	150.00	1	30.00	4.60	5.40	5.00	0.05	7.50	
	150.00	176.00	1	26.00	5.40	6.00	5.70	0.05	7.41	

2nd Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.30	4.30	0.05	6.45	
	30.00	60.00	1	30.00	4.30	4.30	4.30	0.05	6.45	
	60.00	90.00	1	30.00	4.30	4.10	4.20	0.05	6.30	
	90.00	120.00	1	30.00	4.10	4.25	4.18	0.05	6.26	
	120.00	150.00	1	30.00	4.25	4.80	4.53	0.05	6.79	
	150.00	180.00	1	30.00	4.80	4.25	4.53	0.05	6.79	
	180.00	183.40	1	3.40	4.25	4.30	4.28	0.05	0.73	

3rd Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	4.10	4.30	0.05	6.45	
	30.00	60.00	1	30.00	4.10	5.00	4.55	0.05	6.83	
	60.00	90.00	1	30.00	5.00	3.80	4.40	0.05	6.60	
	90.00	120.00	1	30.00	3.80	4.00	3.90	0.05	5.85	
	120.00	150.00	1	30.00	4.00	4.80	4.40	0.05	6.60	
	150.00	180.00	1	30.00	4.80	4.20	4.50	0.05	6.75	
	180.00	207.00	1	27.00	4.20	4.30	4.25	0.05	5.74	

4th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.70	4.50	0.05	6.75	
	30.00	60.00	1	30.00	4.70	4.40	4.55	0.05	6.83	
	60.00	90.00	1	30.00	4.40	4.10	4.25	0.05	6.38	
	90.00	120.00	1	30.00	4.10	3.90	4.00	0.05	6.00	
	120.00	150.00	1	30.00	3.90	3.80	3.85	0.05	5.78	
	150.00	180.00	1	30.00	3.80	4.00	3.90	0.05	5.85	
	180.00	210.00	1	30.00	4.00	4.15	4.08	0.05	6.11	
	210.00	217.00	1	7.00	4.15	3.70	3.93	0.05	1.37	

5th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	3.90	3.60	3.75	0.05	5.63	
	30.00	60.00	1	30.00	3.60	3.80	3.70	0.05	5.55	
	60.00	90.00	1	30.00	3.80	4.40	4.10	0.05	6.15	
	90.00	120.00	1	30.00	4.40	4.10	4.25	0.05	6.38	



CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
120.00	150.00	1	30.00	4.10	4.80	4.45	0.05	6.68	28/4
150.00	180.00	1	30.00	4.80	4.40	4.60	0.05	6.90	
180.00	203.00	1	23.00	4.40	4.40	4.40	0.05	5.06	
Total Qty Work Done								217.26	Cum
Qty Payable in this bill								217.26	Cum



S. S. Sanyal
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

P. S. Sanyal
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

Second and Part

Item No:

60

30/4/2022

Item Name:

Providing and applying tack coat using 80/100 grade Sqm bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.

CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		

For Road Work

Abbigere Industrial Cross Roads

1st Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.50	5.30	5.40	162.00	
	30.00	60.00	1	30.00	5.30	5.00	5.15	154.50	
	60.00	90.00	1	30.00	5.00	4.90	4.95	148.50	
	90.00	120.00	1	30.00	4.90	4.60	4.75	142.50	
	120.00	150.00	1	30.00	4.60	5.40	5.00	150.00	
	150.00	176.00	1	26.00	5.40	6.00	5.70	148.20	

2nd Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.30	4.30	129.00	
	30.00	60.00	1	30.00	4.30	4.30	4.30	129.00	
	60.00	90.00	1	30.00	4.30	4.10	4.20	126.00	
	90.00	120.00	1	30.00	4.10	4.25	4.18	125.25	
	120.00	150.00	1	30.00	4.25	4.80	4.53	135.75	
	150.00	180.00	1	30.00	4.80	4.25	4.53	135.75	
	180.00	183.40	1	3.40	4.25	4.30	4.28	14.54	

3rd Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	4.10	4.30	129.00	
	30.00	60.00	1	30.00	4.10	5.00	4.55	136.50	
	60.00	90.00	1	30.00	5.00	3.80	4.40	132.00	
	90.00	120.00	1	30.00	3.80	4.00	3.90	117.00	
	120.00	150.00	1	30.00	4.00	4.80	4.40	132.00	
	150.00	180.00	1	30.00	4.80	4.20	4.50	135.00	
	180.00	207.00	1	27.00	4.20	4.30	4.25	114.75	

4th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.70	4.50	135.00	
	30.00	60.00	1	30.00	4.70	4.40	4.55	136.50	
	60.00	90.00	1	30.00	4.40	4.10	4.25	127.50	
	90.00	120.00	1	30.00	4.10	3.90	4.00	120.00	
	120.00	150.00	1	30.00	3.90	3.80	3.85	115.50	
	150.00	180.00	1	30.00	3.80	4.00	3.90	117.00	
	180.00	210.00	1	30.00	4.00	4.15	4.08	122.25	
	210.00	217.00	1	7.00	4.15	3.70	3.93	27.48	

5th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	3.90	3.60	3.75	112.50	
	30.00	60.00	1	30.00	3.60	3.80	3.70	111.00	
	60.00	90.00	1	30.00	3.80	4.40	4.10	123.00	
	90.00	120.00	1	30.00	4.40	4.10	4.25	127.50	
	120.00	150.00	1	30.00	4.10	4.80	4.45	133.50	
	150.00	180.00	1	30.00	4.80	4.40	4.60	138.00	



CHAINAGE Land Mark	NO's	L (m)	B1 (m)	B2 (m)	AvgB (m)	D (m)	QTY	REMARKS
180.00 203.00	1	23.00	4.40	4.40	4.40		101.20	
Total Qty Work Done							4345.16	Sqm
Qty Payable in this bill							4345.16	Sqm



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Measurement Sheet

Second and Part

Item No: **61**

30/4/2022

Item Name: Providing and laying dense graded bituminous Concrete using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.

CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		

For Road Work

Abbigere Industrial Cross Roads

1st Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.50	5.30	5.40	0.03	4.86
	30.00	60.00	1	30.00	5.30	5.00	5.15	0.03	4.64
	60.00	90.00	1	30.00	5.00	4.90	4.95	0.03	4.46
	90.00	120.00	1	30.00	4.90	4.60	4.75	0.03	4.28
	120.00	150.00	1	30.00	4.60	5.40	5.00	0.03	4.50
	150.00	176.00	1	26.00	5.40	6.00	5.70	0.03	4.45

2nd Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.30	4.30	0.03	3.87
	30.00	60.00	1	30.00	4.30	4.30	4.30	0.03	3.87
	60.00	90.00	1	30.00	4.30	4.10	4.20	0.03	3.78
	90.00	120.00	1	30.00	4.10	4.25	4.18	0.03	3.76
	120.00	150.00	1	30.00	4.25	4.80	4.53	0.03	4.07
	150.00	180.00	1	30.00	4.80	4.25	4.53	0.03	4.07
	180.00	183.40	1	3.40	4.25	4.30	4.28	0.03	0.44

3rd Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	4.10	4.30	0.03	3.87
	30.00	60.00	1	30.00	4.10	5.00	4.55	0.03	4.10
	60.00	90.00	1	30.00	5.00	3.80	4.40	0.03	3.96
	90.00	120.00	1	30.00	3.80	4.00	3.90	0.03	3.51
	120.00	150.00	1	30.00	4.00	4.80	4.40	0.03	3.96
	150.00	180.00	1	30.00	4.80	4.20	4.50	0.03	4.05
	180.00	207.00	1	27.00	4.20	4.30	4.25	0.03	3.44

4th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.30	4.70	4.50	0.03	4.05
	30.00	60.00	1	30.00	4.70	4.40	4.55	0.03	4.10
	60.00	90.00	1	30.00	4.40	4.10	4.25	0.03	3.83
	90.00	120.00	1	30.00	4.10	3.90	4.00	0.03	3.60
	120.00	150.00	1	30.00	3.90	3.80	3.85	0.03	3.47
	150.00	180.00	1	30.00	3.80	4.00	3.90	0.03	3.51
	180.00	210.00	1	30.00	4.00	4.15	4.08	0.03	3.67
	210.00	217.00	1	7.00	4.15	3.70	3.93	0.03	0.82

5th Cross Road

From Abbigere	0.00	30.00	1	30.00	3.90	3.60	3.75	0.03	3.38
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C	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Industrial Main Road	30.00	60.00	1	30.00	3.60	3.80	3.70	0.03	3.33	
	60.00	90.00	1	30.00	3.80	4.40	4.10	0.03	3.69	
	90.00	120.00	1	30.00	4.40	4.10	4.25	0.03	3.83	
	120.00	150.00	1	30.00	4.10	4.80	4.45	0.03	4.01	
	150.00	180.00	1	30.00	4.80	4.40	4.60	0.03	4.14	
	180.00	203.00	1	23.00	4.40	4.40	4.40	0.03	3.04	
Total Qty Work Done									130.35	Cum
Qty Payable in this bill									130.35	Cum



PMC

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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Measurement Sheet

Second and Part

Item No:

74

11/10/2021

Item Name:

Earth work in excavation for foundation of structures like culverts , retaining walls etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specifications, including cost of labour, HOM etc, complete. in all kinds of soil by manual means

CHAINAGE

NO's

L

AvgB

D

QTY

REMARKS

Land Mark

(m)

(m)

(m)

Earth Work Manhole

Ashok Collage Front (M-16 & M-17)

2

1.20

1.20

1.80

5.18

B/w SSM to MCD1 (M-16) Near 1st Park

1

1.20

1.20

1.80

2.59

SSM Culvert Uperside (M-22)

1

1.20

1.20

1.80

2.59

Viveshwarayya Layout

1.20

1.20

1.80

0.00

1st Cross Road (M-18 & M-19)

2

1.20

1.20

1.80

5.18

2nd Cross Road (M-11)

1

1.20

1.20

1.80

2.59

3rd Cross Road (M-9)

1

1.20

1.20

1.80

2.59

4th Cross Road (M-6)

1

1.20

1.20

1.80

2.59

MCD2 Near (onwards) Main Road
Near Holige Mane

1.20

1.20

1.90

0.00

LHS (M-3)

1

1.20

1.20

1.80

2.59

RHS (M-20)

1

1.20

1.20

1.80

2.59

Center (M-1)

1

1.20

1.20

1.80

2.59

B/w SSM Culvert to MCD1

Center Near MCD1 (M-13)

1

1.20

1.20

2.20

3.17

Front of Park (M-14)

1

1.20

1.20

2.20

3.17

RHS Near MCD1 (M-21)

1

1.20

1.20

2.20

3.17

Near SSM Culvert (M-15)

1

1.20

1.20

2.30

3.31

B/w MCD1 to MCD2

Near Ayush Clinic (M-10)

1

1.20

1.20

2.20

3.17

Near Maruthi Fast Food (M-8)

1

1.20

1.20

2.20

3.17

Near 3rd Cross Road (M-7)

1

1.20

1.20

2.30

3.31

Near 4th Cross Road (M-5)

1

1.20

1.20

2.30

3.31

Near 4th Cross Road (M-4)

1

1.20

1.20

2.30

3.31



CHAINAGE Land Mark	NO's	L (m)	AvgB (m)	D (m)	QTY	REMARKS
Near MCD2 (M-2)	1	1.20	1.20	2.20	3.17	
Total Qty Work Done					63.36	Cum
Qty Payable in this bill					63.36	Cum



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Measurement Sheet

Second and Part

Item No:

Eirl-1

Item Name:

Constructing brick masonry circular type manhole deep 1.67m internal dia at bottom and 0.56m dia at top with table moulded nonmodular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diametre confirming IS :12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately) (PWD Sr 2018-19 Page No-74 Item No-11.38)

CHAINAGE

NO's

L

B

D

QTY

REMARKS

Land Mark

(m)

(m)

(m)

For RCC Manholes

Ashok Collage Front (M-16 & M-17)	2				2.00	
B/w SSM to MCD1 (M-5) Near 1st Park	1				1.00	
SSM Culvert Upside (M-7)	1				1.00	
Viveshwarayya Layout						
1st Cross Road (M-12 & M-13)	2				2.00	
2nd Cross Road (M-14)	1				1.00	
3rd Cross Road (M-9)	1				1.00	
4th Cross Road (M-6)	1				1.00	
MCD2 Near (onwards) Main Road Near Holige Mane						
LHS (M-3)	1				1.00	
RHS (M-15)	1				1.00	
Center (M-1)	1				1.00	
Total Qty Work Done					12.00	Cum
Qty Payable in this bill					12.00	Cum

PMC



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Measurement Sheet

Second and Part

Item No:

Eirl-2

Item Name:

KSRB 12-5 : Constructing brick masonry circular type manhole deep 2.29m 1.22 m internal dia at bottom and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS : 12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately) (PWD Sr 2018-19 Page No-

CHAINAGE

NO's

L

B

D

QTY

REMARKS

Land Mark

(m)

(m)

(m)

For RCC Manholes

Abbigere Main Road

B/w SSM Culvert to MCD1

1

1.00

Near SSM Culvert (M-15)

B/w MCD1 to MCD2

1

1.00

Near Ayush Clinic (M-10)

Near Maruthi Fast Food (M-8)

1

1.00

Near 4th Cross Road (M-4)

1

1.00

Near MCD2 (M-2)

1

1.00

Total Qty Work Done

5.00

Cum

Qty Payable in this bill

5.00

Cum

PMC



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Measurement Sheet

Second and Part

Item No:	Eirl-3	08/7/2022					
Item Name:	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free endsshall be welded to the pole and block pipe at top and bottom asrequired including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approvedquality paint over one coat o f shop paint, including cost of materials, labour,HOM complete as per specifications. (PWD Sr 2018-19 Page No-266 Item No-37.3)						
	CHAINAGE	NO's	L	B	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
Chain link fencing 50mm							
Police Station Front Park		1	10.80		1.65	17.82	
		1	11.00		1.65	18.15	
		1	38.50		1.65	63.53	
		1	21.30		1.65	35.15	
Abbigere Park		1	135.90		2.95	400.91	
Vishveshwarya Park		1	41.10		1.50	61.65	
Total Qty Work Done						597.20	Sqm
Qty Payable in this bill						597.20	Sqm



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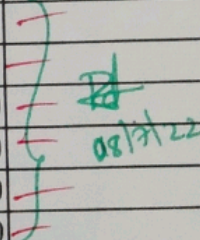
BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Measurement Sheet

Second and Part

Item No:	Eirl-4	08/12/2022					
Item Name:	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 mincluding removing the bends, cutting the pipe, and fixing pipe in between theexisting two verticle poles (M.S. rectangular poles) and spot welding the chainlink with M.S. block pipe including cost of all materials wastage in cutting,and scaffolding wherever necessary with all lead and lift as directed by theEngineer-in-charge of work etc., complete including two coats of approvedquality paint over one coat of shop paint, including cost of materials,labour,HOM complete as per specifications.. (PWD Sr 2018-19 Page No-266 Item No-37.4)						
	CHAINAGE	NO's	L	B	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
M.S. Block pipe of 38mm dia							
Police Station Front Park		2	10.80			21.60	
		2	11.00			22.00	
		2	38.50			77.00	
		2	21.30			42.60	
Abbigere Park		4	135.90			543.60	
Vishveshwarya Park		2	41.10			82.20	
Total Qty Work Done						789.00	M
Qty Payable in this bill						789.00	M



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BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Measurement Sheet

Second and Part

Item No:

Eir1-5

08/7/2022

Item Name:

Supplying and fixing M.S. Rectangular poles made out of 2 equal angles m of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats o f approved quality paint over one coat of shop painting (excluding cost o f earthwork and concrete) including cost of materials, labour, HOM complete as per specifications (PWD Sr 2018-19 Page No-266 Item No-37.2)

		(37.2)						
		CHAINAGE	NO's	L	B	D	QTY	REMARKS
		Land Mark		(m)	(m)	(m)		
M.S. Rectangular poles								
Police Station Front Park			5 ✓	2.50			12.50	✓
			5 ✓	2.50			12.50	✓
			15 ✓	2.50			37.50	✓
			10 ✓	2.50			25.00	✓
Abbigere Park			67 ✓	3.50			234.50	✓
Vishveshwarya Park			21 ✓	2.50			52.50	✓
Total Qty Work Done							374.50	M
Qty Payable in this bill							374.50	M



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BHURAT BENGALURU MAHANAGAR PALIKE**ROAD INFRA DASARAHALLI**

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Apartments to Abbigere Park.

Measurement Sheet

Second and Part

Item No:	Eirl-6	25/2/2022					
Item Name:	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications..(PWD Sr 2018-19 Page No-96 Item No-13.70.7)						
	CHAINAGE	NO's	L	B	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
160mm PVC Pipes							
Collage to Manhole		1	30.00			30.00	 25/2/22
Total Qty Work Done						30.00	Rmt
Qty Payable in this bill						30.00	Rmt



PMC

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BHURAT BENGALURU MAHANAGAR PALIKE**ROAD INFRA DASARAHALLI**

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

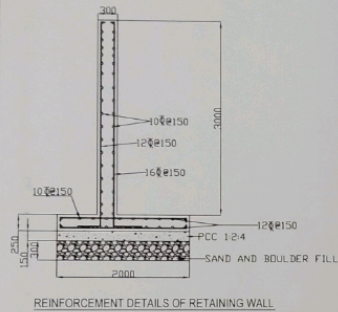
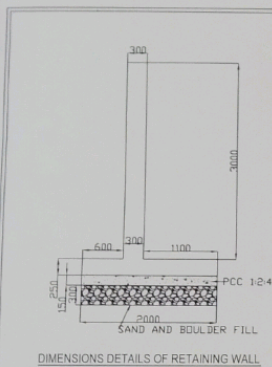
Pre-Measurement Sheet**Second and Part**

Item No:	Eir1-7	24/4/2022					
Item Name:	Providing and Filling in foundation'with granite I trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications,(PWD Sr 2018-19 Page No-7 Item No-2.15)						
	CHAINAGE	NO's	L	B	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
Filling in Foundation							
Bridge (SSM Culvert)	Cum	1	26.00	10.50	0.25	68.25	24/4/22
Main Road CD 1		1	18.10	1.80	0.20	6.52	
Main Road CD 2		1	26.10	3.50	0.20	18.27	
Total Qty Work Done						93.04	Cum
Qty Payable in this bill						93.04	Cum



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P. K. Dasgupta
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NOTES

1. ALL DIMENSIONS ARE IN MM
2. DO NOT MEASURE THE DRAWINGS FOLLOW ONLY FIGURED DIMENSIONS
3. GRADE OF CONCRETE - M20
4. GRADE OF STEEL Fe 500 REPRESENTED BY -
5. LAP LENGTH = 55 x DIA. OF BARS
6. CLEAR COVER TO REINFORCEMENTS
FOOTINGS 50 mm
WALL 50 mm
7. MINIMUM DEPTH OF EXCAVATION FOR FOUNDATION = 250mm
8. ANY VARIATION IN SOIL PROPERTY OR DIMENSIONS AT SITE SHOULD BE BROUGHT TO THE KNOWLEDGE OF THE CONSULTANT BEFORE EXECUTION
9. SSC CONSIDERED FOR DESIGN IS 120 MM/50MM
10. PRIOR TO PLACEMENT OF PCC THE ROCK SURFACE SHALL BE INSPECTED ANY VOIDS, CRACKS SHALL BE FILLED WITH M10 GRADE CONCRETE.

Bar Bending Schedule For Footing

Sl. No.	Type of bars	Dia. of the bar	Side	Spacing of the bars (mm)	Length of the bars (m)	No. of bars	Total length (m)	Steel detail
1	Bottom Main bars	12	1	0.15	2.0	8	16	
2	Top Main bars	12	1	0.15	2.0	8	16	
3	Distribution bars	10	2	0.15	7.5	51	765	
4	Chairs	12	4	—	1.0	8	8	

Bar Bending Schedule For Vertical Wall

Sl. No.	Type of bars	Dia. of the bar	Side	Spacing of the bars (mm)	Length of the bars (m)	No. of bars	Total length (m)	Steel detail
1	Vertical outer bars	16	1	0.15	3.6	25	90	
2	Vertical inner bars	12	1	0.15	3.6	25	90	
3	Distribution Bars	10	2	0.15	7.5	51	765	

CLIENT:

BRUHAT BENGALURU MAHANAGARA PALIKE
ROAD INFRASTRUCTURE - DASARAHALLI DIVISION
207, 2ND FLOOR, ANNEX BUILDING - 3
N.R. SQUARE, BENGALURU - 560002

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WIDENING AND COMPREHENSIVE DEVELOPMENT OF ABBIGERE MAIN ROAD FROM RENAISSANCE WOODS - 3
APARTMENT TO ABBIGERE PARK.

TITLE:
TYPICAL DETAILS OF 3.0M HEIGHT
RETAINING WALL IN FRONT OF ASHOK COLLEGE

DRAWING NO: NEZPL/DWG/PRJ/22-23/264

SCALE = NTS



Survey

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ರಸ್ತೆ ಮೂಲಭೂತ ಘಟಕಗಳು, (ದಾಖಲಾತಿ ವಿಭಾಗ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು - 02

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RCC Drain	
Channel Link	
Channel	
Compound	
Manholes	
Asphalt	

Name of the work : Widening and Comprehensive Development of Abbigerre Main Road From Renaissance woods-3 Apparments to Abbigerre Park

Approved by
Municipal Corporation, Bangalore
23/05/2018
Dated - 11/

